

- NOTES**
1. THE 5 IN. SOLID WHITE EDGE LINE SHALL EXTEND THE LENGTH OF THE PROPOSED RIGHT TURN LANE (635 FT.) AND TAPER (100 FT.)
 2. THE 5 IN. SOLID WHITE LANE LINE SHALL EXTEND 1/2 THE LENGTH OF THE PROPOSED RIGHT TURN LANE (265 FT.)
 3. THE 5 IN. SKIP WHITE LANE LINE SHALL EXTEND 1/2 THE LENGTH OF THE PROPOSED RIGHT TURN LANE (270 FT.)
 4. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
 5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
 6. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLE.
 7. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
 8. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
 9. ALL PAVEMENT MARKINGS DETAILED SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.

EXISTING SIGNS

9-12

OLD JOPPA RD

D-3(1)
DUAL FACE
VAR" x 16"

EXISTING VIDEO DETECTION CAMERA

A, B

CK

EXISTING L.E.D. SIGNALS

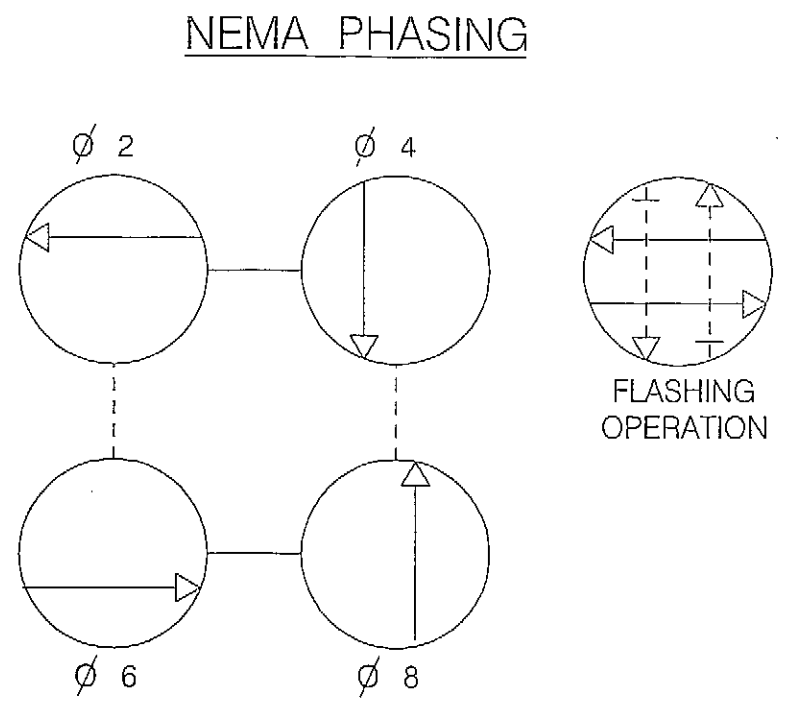
1-8

R

Y

G

12"



- PHASING NOTES:**
- 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 - 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

- CONSTRUCTION DETAILS**
- A. INSTALL HANDHOLE
 - B. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - BORED
 - C. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
 - D. INSTALL NON-INVASIVE MICRO-LOOP PROBE
 - E. USE EXISTING HANDHOLE
 - F. USE EXISTING CONDUIT
 - G. REMOVE EXISTING HANDHOLE
 - H. CAP AND ABANDON EXISTING CONDUIT
 - I. INSTALL 24 IN. SOLID WHITE PERMANENT PREFORMED PAVEMENT MARKING LINE
 - J. INSTALL 5 IN. SOLID WHITE PERMANENT PREFORMED PAVEMENT MARKING LINE
 - K. INSTALL 5 IN. SKIP WHITE PERMANENT PREFORMED PAVEMENT MARKING LINE (3 FT. LINE - 9 FT. GAP)

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 152 (MOUNTAIN ROAD) AND OLD JOPPA ROAD IN HARFORD COUNTY. MD 152 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR-PHASE FULLY-ACTUATED MODE. THIS OPERATION WILL NOT CHANGE.

PROJECT CONSTRUCTION

WORK WILL CONSIST OF REPLACING THE EXISTING NORTHBOUND MICRO-LOOP PROBE DUE WIDENING.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
1 LS	MAINTENANCE OF TRAFFIC
1 EA	NON-INVASIVE MICRO-LOOP PROBE WITH LEAD-IN CABLE
15 LF	24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING
1150 LF	5 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING
1 LS	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
4 EA	HANDHOLE
510 LF	3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
120 LF	4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED

GEOMETRIC LEGEND

EXISTING	---
PROPOSED	---

UTILITY LEGEND

AERIAL CABLE	---	A
ELECTRICAL	---	E
TELEPHONE	---	T
GAS	---	G
SEWER	---	S
WATER	---	W
CABLE TV	---	TV

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2/2100/2161/MD 152 SIGNAL/6-30-12.dgn
Friday, July 20, 2012 AT 03:27 PM

APPROVALS		REVISIONS	
TEAM LEADER		7-20-12	REPLACE NORTHBOUND PASSAGE DETECTION DUE TO WIDENING
ASST. DIV. CHIEF		7-20-12	INSTALL NON-INVASIVE PROBES ASBUILT.
DIVISION CHIEF		10-30-09	UPGRADE VIDEO DETECTION ON ALL LEGS.
OFFICE DIRECTOR		5-8-08	ADD VIDEO DETECTION ON OLD JOPPA DUE TO WIDENING

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 152 AND OLD JOPPA ROAD
STOCKTON, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE: 1"=20' DATE: 1-12-94 CONTRACT NO.: HA188A601856

DESIGNED BY: B. THOMPSON COUNTY: HARFORD
DRAWN BY: M. TADAYON LOGMILE: 12015206.19
CHECKED BY: D. DODA T.I.M.S. NO.:
F.A.P. NO.: N/A TOD NO.:
DRAWING NO. TS-2346D SHEET NO. 1 OF 1